PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
SP-P2094PC00	ACTION	as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/ye	ear) (Earliest) Priority Date (day/month/year)
PCT/EP2005/050272	21/01/2005	23/01/2004
Applicant		
SPEEDEL EXPERIMENTA AG		
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Search ansmitted to the International Bureau.	ing Authority and is transmitted to the applicant
This International Search Report consists	s of a total ofsheet	s.
X It is also accompanied by	a copy of each prior art document cite	d in this report.
Basis of the report a. With regard to the language, the language in which it was filed, un	international search was carried out or less otherwise indicated under this item	the basis of the international application in the
The international this Authority (Ru		a translation of the international application furnished to
b. With regard to any nucle	eotide and/or amino acid sequence di	sclosed in the international application, see Box No. I.
2. Certain claims were for	und unsearchable (See Box II).	
3. Unity of invention is la	cking (see Box III).	
4. With regard to the title,		
	submitted by the applicant.	
	shed by this Authority to read as follow:	
DIAMINO ALCOHOLS AND	THEIR USE AS RENIN INHI	BITORS
	•	
5. With regard to the abstract,		
<u> </u>	submitted by the applicant.	
the text has been estable may, within one month f	lished, according to Rule 38.2(b), by this from the date of mailing of this internation	s Authority as it appears in Box No. IV. The applicant nal search report, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be	published with the abstract is Figure N	0
as suggested by		
as selected by t	this Authority, because the applicant fail	ed to suggest a figure.
·	this Authority, because this figure better	characterizes the invention.
b. none of the figures is to	be published with the abstract.	

International Application No

PCT/EP2005/050272 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C233/36 C07C233/78 C07C311/05 C07D471/10 CO7D211/14 CO7D239/10 A61K31/16 A61K31/18 C07D211/76 C07D207/26 A61P9/12 A61K31/438 A61K31/4166 A61K31/4015 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07C C07D IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages 1,6 WO 03/050073 A (ELAN PHARMACEUTICALS, INC; X PHARMACIA & UPJOHN COMPANY; TENBRINK, RUTH;) 19 June 2003 (2003-06-19) page 230, line 28 - page 231, line 1; example 8 claims 30,43,49,50 1-8 WOOD J M ET AL: "Structure-based design Υ of aliskiren, a novel orally effective renin inhibitor" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 308, no. 4, 5 September 2003 (2003-09-05), pages 698-705, XP004447169 ISSN: 0006-291X page 700, left-hand column; figure 1

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
8 June 2005	17/06/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patenttaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bedel, C

1

International Application No
PCT/EP2005/050272

		PC1/EP2005/0502/2		
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
Y	EP 0 468 641 A (SHIONOGI SEIYAKU KABUSHIKI KAISHA TRADING UNDER THE NAME OF SHIONOGI &) 29 January 1992 (1992-01-29) page 15; example IB page 44 - page 46; examples 76-86; table 7 claim 1		1-8	
A	ALLIKMETS K: "ALISKIREN SPEEDEL" CURRENT OPINION IN INVESTIGATIONAL DRUGS, PHARMAPRESS, US, vol. 3, no. 10, 2002, pages 1479-1482, XP009017210 ISSN: 1472-4472 the whole document		1-8	
Y	RADDATZ P ET AL: "RENIN INHIBITORS CONTAINING NEW P1-P1' DIPEPTIDE MIMETICS WITH HETEROCYCLES IN P1'" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 35, no. 19, 18 September 1992 (1992-09-18), pages 3525-3536, XP002050635 ISSN: 0022-2623 page 3532; example XXIX; table V		1-8	

1

Information on patent family members

International Application No
PCT/EP2005/050272

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 03050073 A	19-06-2003	AU BR CA EP JP WO US	2002360508 A1 0214736 A 2469622 A1 1453788 A1 2005511735 T 03050073 A1 2004044072 A1	23-06-2003 23-11-2004 19-06-2003 08-09-2004 28-04-2005 19-06-2003 04-03-2004
EP 0468641 A	29-01-1992	AU AU CA EP HU JP US US	4489093 A 643036 B2 7930491 A 2045008 A1 0468641 A2 58346 A2 2997095 B2 5009162 A 5194608 A 5272268 A 5223615 A	25-11-1993 04-11-1993 02-01-1992 29-12-1991 29-01-1992 28-02-1992 11-01-2000 19-01-1993 16-03-1993 21-12-1993 29-06-1993

PCT/EP2005/050272

	FICATION OF SUBJECT MATTER C07C233/36 C07C233/78 C07C311/ C07D211/76 C07D207/26 C07D239/ A61K31/4166 A61K31/4015 A61K31/4	/10 A61K31/16 I38 A61P9/12	C07D211/14 A61K31/18
According to	International Patent Classification (IPC) or to both national classification	ation and IPC	
	SEARCHED		
Minimum do IPC 7	cumentation searched (classification system followed by classification CO7C CO7D	on symbols)	
Documentat	lion searched other than minimum documentation to the extent that s	such documents are included in	the fields searched
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search	terms used)
EPO-In	ternal, CHEM ABS Data, WPI Data, PAG	J ·	·
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.
X .	WO 03/050073 A (ELAN PHARMACEUTION PHARMACIA & UPJOHN COMPANY; TENBION RUTH;) 19 June 2003 (2003-06-19) page 230, line 28 - page 231, line example 8 claims 30,43,49,50	RINK,	1,6
Y	WOOD J M ET AL: "Structure-based design of aliskiren, a novel orally effective renin inhibitor" BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 308, no. 4, 5 September 2003 (2003-09-05), pages 698-705, XP004447169 ISSN: 0006-291X page 700, left-hand column; figure 1		1-8
		-/	
X Fur	ther documents are listed in the continuation of box C.	X Patent family member	rs are listed in annex.
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other "P" docum later	nent which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means nent published prior to the international filing date but than the priority date claimed	or priority date and not in cited to understand the prinvention "X" document of particular relecannot be considered not involve an inventive step document of particular relecannot be considered to indocument is combined with ments, such combination in the art. "&" document member of the second companies of the seco	involve an inventive step when the ith one or more other such docubeing obvious to a person skilled same patent family
	e actual completion of the international search	Date of mailing of the inter	rnational search report
	3 June 2005	Authorized officer	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016		Bedel, C	

PCT/EP2005/050272

		PC1/EF2005/0502/2		
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Υ	EP 0 468 641 A (SHIONOGI SEIYAKU KABUSHIKI KAISHA TRADING UNDER THE NAME OF SHIONOGI &) 29 January 1992 (1992-01-29) page 15; example IB page 44 - page 46; examples 76-86; table 7 claim 1	1-8		
A	ALLIKMETS K: "ALISKIREN SPEEDEL" CURRENT OPINION IN INVESTIGATIONAL DRUGS, PHARMAPRESS, US, vol. 3, no. 10, 2002, pages 1479-1482, XP009017210 ISSN: 1472-4472 the whole document	1-8		
Y	RADDATZ P ET AL: "RENIN INHIBITORS CONTAINING NEW P1-P1' DIPEPTIDE MIMETICS WITH HETEROCYCLES IN P1'" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 35, no. 19, 18 September 1992 (1992-09-18), pages 3525-3536, XP002050635 ISSN: 0022-2623 page 3532; example XXIX; table V	1-8		
	e version in the second of the	<i>:</i>		

PCT/EP2005/050272

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03050073 A	19-06-2003	AU 2002360508 A1 BR 0214736 A CA 2469622 A1 EP 1453788 A1 JP 2005511735 T WO 03050073 A1 US 2004044072 A1	23-06-2003 23-11-2004 19-06-2003 08-09-2004 28-04-2005 19-06-2003 04-03-2004
EP 0468641 A	29-01-1992	AU 4489093 A AU 643036 B2 AU 7930491 A CA 2045008 A1 EP 0468641 A2 HU 58346 A2 JP 2997095 B2 JP 5009162 A US 5194608 A US 5272268 A US 5223615 A	25-11-1993 04-11-1993 02-01-1992 29-12-1991 29-01-1992 28-02-1992 11-01-2000 19-01-1993 16-03-1993 21-12-1993 29-06-1993